

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 1    | search\$3 adj apparatus and leukocyte and patterns and particle adj size and target adj patterns and test adj sample and class adj map and model adj parameter and fract\$4 adj component | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/11/20 16:40 |
| L2    | 0    | L1 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")  | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/11/20 16:41 |
| L3    | 4    | similar adj pattern adj searching   | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/11/20 16:43 |
| L13   | 1    | L3 and fractions and pattern  | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/11/20 17:24 |
| L14   | 1    | L13 and select\$3 adj model\$1  | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/11/20 17:25 |
| L15   | 1    | L14 and average and number and variance and density   | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/11/20 17:26 |
| L17   | 3498 | 382/128,133,134,225,194,218,228.CCLS.   | USPAT                                       | OR               | ON      | 2009/11/20 17:33 |
| L18   | 30   | L17 and similar adj pattern and searching   | USPAT; JPO                                  | OR               | ON      | 2009/11/20 17:35 |
| L19   | 9    | L18 and fractions and pattern   | USPAT                                       | OR               | ON      | 2009/11/20 17:35 |
| L22   | 0    | L19 and select\$3 adj model\$1 and average and number and variance and density  | USPAT                                       | OR               | ON      | 2009/11/20 17:37 |
| L23   | 0    | L19 and leukocyte adj patterns and particle adj size  | USPAT                                       | OR               | ON      | 2009/11/20 17:43 |
| L24   | 0    | L18 and leukocyte adj patterns and particle adj size  | USPAT                                       | OR               | ON      | 2009/11/20 17:43 |
| L25   | 9    | L19 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")   | USPAT                                       | OR               | ON      | 2009/11/20 17:44 |
| L26   | 11   | L18 and(leukocyte adj patterns or blood adj cell or cells)  | USPAT                                       | OR               | ON      | 2009/11/20 17:58 |
| L27   | 6    | L26 and fractions and pattern   | USPAT                                       | OR               | ON      | 2009/11/20 17:59 |
| L28   | 0    | L27 and select\$3 adj model\$1 and average and number and variance and density  | USPAT                                       | OR               | ON      | 2009/11/20 17:59 |

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|-----|-------|--|-------|----|----|------------------|
| L29 | 6     | L27 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")  | USPAT | OR | ON | 2009/11/20 18:00 |
| L30 | 5     | L27 and @ad<"20031121"   | USPAT | OR | ON | 2009/11/20 18:00 |
| L31 | 41955 | 435/6,69.1,91.2,320.1,252.3,325.CCLS.  | USPAT | OR | ON | 2009/11/20 18:19 |
| L32 | 30    | L17 and similar adj pattern and searching  | USPAT | OR | ON | 2009/11/20 18:19 |
| L33 | 11    | L32 and(leukocyte adj patterns or blood adj cell or cells)   | USPAT | OR | ON | 2009/11/20 18:20 |
| L34 | 6     | L33 and fractions and pattern  | USPAT | OR | ON | 2009/11/20 18:20 |
| L35 | 4131  | 430/296,950,220,510,523,496.ccls.  | USPAT | OR | ON | 2009/11/20 18:21 |
| L36 | 0     | L35 and similar adj pattern and searching  | USPAT | OR | ON | 2009/11/20 18:21 |
| L37 | 370   | L35 and(leukocyte adj patterns or blood adj cell or cells)   | USPAT | OR | ON | 2009/11/20 18:22 |
| L38 | 32    | L37 and fractions and pattern  | USPAT | OR | ON | 2009/11/20 18:22 |
| L39 | 0     | L38 and select\$3 adj model\$1 and average and number and variance and density   | USPAT | OR | ON | 2009/11/20 18:23 |
| L40 | 0     | blood adj cell and histograms and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3 and(SOM or self adj organizing adj map)          | USPAT | OR | ON | 2009/11/20 18:23 |
| L41 | 0     | L38 and blood adj cell and histograms and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3  | USPAT | OR | ON | 2009/11/20 18:24 |
| L42 | 30    | L38 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")  | USPAT | OR | ON | 2009/11/20 18:25 |
| L43 | 27    | L38 and @ad<"20031121"   | USPAT | OR | ON | 2009/11/20 18:25 |
| L44 | 1392  | 706/25,20,26.CCLS.   | USPAT | OR | ON | 2009/11/20 18:40 |
| L45 | 8     | L44 and similar adj pattern and searching  | USPAT | OR | ON | 2009/11/20 18:40 |
| L46 | 358   | L44 and(leukocyte adj patterns or blood adj cell or cells)   | USPAT | OR | ON | 2009/11/20 18:40 |
| L47 | 5     | L46 and similar adj pattern and searching  | USPAT | OR | ON | 2009/11/20 18:41 |
| L48 | 0     | L46 and blood adj cell and histograms and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3 and(SOM or self adj organizing adj map)  | USPAT | OR | ON | 2009/11/20 18:41 |
| L49 | 0     | L46 and select\$3 adj model\$1 and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3 and average and number and variance and density | USPAT | OR | ON | 2009/11/20 18:43 |
| L50 | 0     | L46 and select\$3 adj model\$1 and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3   | USPAT | OR | ON | 2009/11/20 18:43 |

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| L51 | 0     | L46 and select\$3 adj model\$1 and class adj map  | USPAT | OR | ON | 2009/11/20 18:43 |
| L52 | 329   | L46 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")   | USPAT | OR | ON | 2009/11/20 18:44 |
| L54 | 0     | L52 and fractions adj pattern   | USPAT | OR | ON | 2009/11/20 18:44 |
| L55 | 64    | L52 and fractions and pattern   | USPAT | OR | ON | 2009/11/20 18:45 |
| L56 | 0     | L55 and leukocyte and patterns and particle adj size and target adj patterns and test adj sample and class adj map and model\$1 | USPAT | OR | ON | 2009/11/20 18:47 |
| L57 | 0     | L55 and target adj patterns and test adj sample and class adj map and model\$1  | USPAT | OR | ON | 2009/11/20 18:47 |
| L58 | 13684 | 707/104.1,4,e17.092,5,10,103.CCLS.  | USPAT | OR | ON | 2009/11/20 18:53 |
| L59 | 1754  | L58 and(leukocyte adj patterns or blood adj cell or cells)  | USPAT | OR | ON | 2009/11/20 18:53 |
| L60 | 14    | L59 and similar adj pattern and searching   | USPAT | OR | ON | 2009/11/20 18:53 |
| L61 | 0     | L60 and select\$3 adj model\$1 and average and number and variance and density  | USPAT | OR | ON | 2009/11/20 18:54 |
| L62 | 13    | L60 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")   | USPAT | OR | ON | 2009/11/20 18:54 |
| L63 | 16079 | 530/300,350.ccls.   | USPAT | OR | ON | 2009/11/20 19:06 |
| L64 | 15601 | L63 and(leukocyte adj patterns or blood adj cell or cells)  | USPAT | OR | ON | 2009/11/20 19:07 |
| L65 | 52    | L64 and similar adj pattern and searching   | USPAT | OR | ON | 2009/11/20 19:07 |
| L66 | 0     | L65 and target adj patterns and test adj sample and class adj map and model\$1  | USPAT | OR | ON | 2009/11/20 19:07 |
| L67 | 0     | L65 and select\$3 adj model\$1 and average and number and variance and density  | USPAT | OR | ON | 2009/11/20 19:08 |
| L68 | 0     | L65 and fractions adj pattern   | USPAT | OR | ON | 2009/11/20 19:08 |
| L69 | 0     | L65 and select\$3 adj model\$1  | USPAT | OR | ON | 2009/11/20 19:10 |
| L70 | 0     | L65 and target adj patterns and test adj sample and class adj map and model\$1  | USPAT | OR | ON | 2009/11/20 19:10 |
| L71 | 0     | L65 and class adj map and model\$1  | USPAT | OR | ON | 2009/11/20 19:11 |
| L72 | 804   | 250/492.22.ccls.  | USPAT | OR | ON | 2009/11/20 19:11 |
| L73 | 194   | L72 and(leukocyte adj patterns or blood adj cell or cells)  | USPAT | OR | ON | 2009/11/20 19:12 |
| L74 | 7     | L73 and similar adj pattern and searching   | USPAT | OR | ON | 2009/11/20 19:15 |
| L75 | 0     | L74 and target adj patterns and test adj sample and class adj mapp\$3 and model\$1  | USPAT | OR | ON | 2009/11/20 19:15 |
| L76 | 942   | 716/21.ccls.  | USPAT | OR | ON | 2009/11/20 19:17 |
| L77 | 319   | L76 and(leukocyte adj patterns or blood adj cell or cells)  | USPAT | OR | ON | 2009/11/20 19:17 |
| L78 | 0     | L77 and target adj patterns and test adj sample and class adj mapp\$3 and model\$1  | USPAT | OR | ON | 2009/11/20 19:17 |

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|-----|-------|--|---|----|----|------------------|
| L79 | 0     | L77 and class adj mapp\$3 and model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:18 |
| L80 | 0     | L77 and fractions adj pattern  | USPAT                                       | OR | ON | 2009/11/20 19:18 |
| L82 | 2062  | 436/63.ccls.   | USPAT                                       | OR | ON | 2009/11/20 19:23 |
| L83 | 1832  | L82 and(leukocyte adj patterns or blood adj cell or cells)                           | USPAT                                       | OR | ON | 2009/11/20 19:24 |
| L84 | 0     | L83 and class adj map and model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:24 |
| L85 | 14    | L83 and select\$3 adj model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:25 |
| L86 | 0     | L85 and class adj mapp\$3 and model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:26 |
| L87 | 1902  | 356/39,73.ccls.  | USPAT                                       | OR | ON | 2009/11/20 19:27 |
| L88 | 1062  | L87 and(leukocyte adj patterns or blood adj cell or cells)                           | USPAT                                       | OR | ON | 2009/11/20 19:27 |
| L89 | 0     | L88 and class adj map and model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:28 |
| L90 | 2     | L88 and select\$3 adj model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:28 |
| L91 | 3143  | 705/26.ccls.   | USPAT                                       | OR | ON | 2009/11/20 19:29 |
| L92 | 400   | L91 and(leukocyte adj patterns or blood adj cell or cells)                           | USPAT                                       | OR | ON | 2009/11/20 19:29 |
| L93 | 11    | L92 and select\$3 adj model\$1   | USPAT                                       | OR | ON | 2009/11/20 19:29 |
| L94 | 0     | L93 and class adj mapp\$3  | USPAT                                       | OR | ON | 2009/11/20 19:30 |
| S1  | 4382  | leukocyte and patterns and particle adj size   | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 14:35 |
| S2  | 6     | leukocyte same patterns same particle adj size                                       | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 14:36 |
| S3  | 34397 | "L6" and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 14:41 |
| S4  | 4     | S2 and(@ad<"20031121" or @rlad<"20031121" or @prad<"20031121" or @ptad<"20031121")   | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 14:42 |
| S5  | 3     | S2 and @ad<"20031121"  | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 14:42 |
| S6  | 9     | ((HI ROMI) near2 (KATAOKA)).INV.   | US_PGPUB; USPAT                             | OR | ON | 2009/04/03 15:30 |

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| S7  | 1    | S6 and leukocyte and patterns and particle adj size  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 15:31 |
| S8  | 1    | search\$3 adj apparatus and leukocyte and patterns and particle adj size and target adj patterns and test adj sample and class adj map and model adj parameter and fract\$4 adj component  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 15:39 |
| S9  | 1    | search\$3 adj apparatus and(leukocyte adj particle adj size adj patterns or protein adj electrophoretic adj waveforms or blood adj cell adj histograms)and patterns and target adj patterns and test adj sample and class adj map and model adj parameter                              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 15:42 |
| S10 | 1    | (leukocyte adj particle adj size adj patterns or protein adj electrophoretic adj waveforms or blood adj cell adj histograms)and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3 and (SOM or self adj organizing adj map) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 15:50 |
| S11 | 1    | blood adj cell and histograms and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3 and(SOM or self adj organizing adj map)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 15:50 |
| S12 | 2409 | S1 and diagnosis   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 16:23 |
| S13 | 1    | S12 and blood adj cell and histograms and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3 and(SOM or self adj organizing adj map)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 16:23 |
| S14 | 101  | S12 and blood adj cell and histograms  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 16:24 |
| S15 | 1    | S14 and blood adj cell and histograms and class adj map and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 16:25 |
| S16 | 34   | S14 and(one adj dimensional\$1 or two adj dimensional\$1 or multi adj dimensional\$1)and cluster\$3  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 16:25 |
| S17 | 13   | S16 and @ad<"20031121"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/03 16:26 |

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|-----|----|--|---|----|-----|------------------|
| S18 | 97 | ((("20070133855") or ("6420526") or ("5818726") or ("20070014449") or ("6287765") or ("6339055") or ("6426072") or ("6475753") or ("5277793") or ("5917332") or ("6265127") or ("6291148") or ("6365311") or ("6436616") or ("6468709") or ("6280961") or ("6350431") or ("5552275") or ("6448230") or ("5955738") or ("5402410") or ("5650847") or ("5652660") or ("5754443") or ("6316163") or ("6422065") or ("20070196768") or ("6416973") or ("20070231783") or ("5859930") or ("6075898") or ("6049793") or ("3614736") or ("4574905") or ("4998214") or ("5266948") or ("5323317") or ("5479574") or ("5506940") or ("5701398") or ("5710833") or ("5729662") or ("5819247") or ("5940065") or ("5944652") or ("5999650") or ("6021220") or ("6081620") or ("6216134") or ("6216134") or (".).pn.").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/03 16:27 |
| S19 | 89 | S18 and @ad<"20031121"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/04/03 16:27 |
| S20 | 2  | S19 and leukocyte and patterns and particle adj size   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/04/03 16:28 |
| S21 | 1  | S19 and blood adj cell and histograms  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/04/03 16:28 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs                   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------------|------------------|---------|------------------|
| L95   | 0    | (search adj apparatus and leukocyte and patterns and particle adj size and target adj patterns and test adj sample and class adj map and model adj parameter and fract\$4 adj component).CLM. | US-PGPUB; USPAT; UPAD | OR               | ON      | 2009/11/20 19:32 |
| L96   | 0    | (similar adj pattern adj searching and target adj patterns and test adj sample and class adj map and model adj parameter and fract\$4 adj component).CLM.                                     | US-PGPUB; USPAT; UPAD | OR               | ON      | 2009/11/20 19:34 |
| L97   | 1    | (similar adj pattern adj searching). clm.   | US-PGPUB; USPAT; UPAD | OR               | ON      | 2009/11/20 19:34 |

11/20/09 7:41:20 PM

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